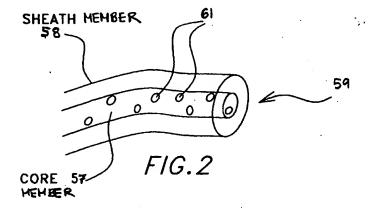
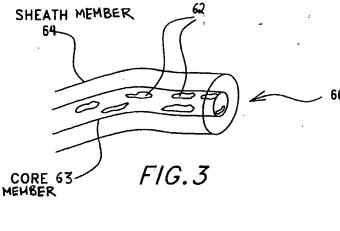


FIG. 1



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MELT SPUN BICOMPONENT FIBERS WITH REVERSIBLE THERMAL PROPERTIES

| | SAMPLE 1 | SAMPLE 2 | SAMPLE 3 | SAMPLE 4 | SAMPLE 5 | SAMPLE 6 |
|----------------------------|----------------------|----------------------|----------------|----------------------|----------------------|----------------------|
| CORE POLYMER | 15% mpcm conc. | 15% mPCM CONC. | 15% mPCM CONC. | 15% mpcm conc. | 15% mpcm conc. | 15% MPCM CONC. |
| SHEATH POLYMER | PP . | PP | PP | NYLON 6 | NYLON 6 | NYLON 6 |
| CORE WT. | 50 | 75 | 50 | 50 | 75 | 50 |
| SHEATH WT. % | 50 | 25 | 50 | 50 | 25 | 50 |
| WINDING SPEED | 1000 | 1000 | 2000 | 1100 | 1100 | 2000 |
| # FILAMENTS | 64 | 64 | 64 | 64 | 64 | 64 |
| SPIN DENIER | 1152 | 1152 | 400 | 1152 | 1152 | 400 |
| SPIN EASE | EXCELLENT | EXCELLENT | GOOD | EXCELLENT | EXCELLENT | GOOD |
| % mPCM | 7.5 | 11.25 | 7.5 | 7.5 | 11.25 | 7.5 |
| FIBER LATENT HEAT (J/G) | 11.5 | 17.1 | 10.5 | . 9.4 | 15.5 | 10.3 |

FIG. 4

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